

**AMENDMENTS TO THE CLAIMS:**

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently amended) A microreactor, comprising: ~~which comprises~~  
a substrate;

a ferromagnetic track arranged on or embedded inside the substrate;

a liquid introduction zone,

a microscopic liquid channel disposed on the substrate, the liquid channel being formed by a magnetic barrier which is generated by the ferromagnetic track and by applying a magnetic field, the liquid channel being adapted to pass a liquid having magnetism introduced from the introduction zone; [[and]]

a liquid discharge zone for discharging the liquid; and, wherein the liquid channel is formed by a magnetic barrier by ferromagnetic track and is composed for liquid having magnetism introduced from the introduction zone to perform at least one kind of operation among chemical reaction, mixing, extraction and absorption in the liquid channel.

an apparatus for applying an external magnetic field to the ferromagnetic track or magnetism being maintained by the ferromagnetic track itself.

2. (Cancelled)

3. (Currently amended) A microreactor, ~~comprising: according to claim 1, wherein~~

a liquid introduction zone;

a microscopic liquid channel, said liquid channel being formed by a magnetic barrier created at least in part by operation of a ferromagnetic track, said liquid channel being operable for performing at least one of chemical reaction, mixing, extraction and absorption in the liquid channel, an outside of the liquid channel which is formed by the magnetic barrier [[is]] being filled with surrounding fluid;  
and

a liquid discharge zone.

4. (Currently amended) A microreactor according to claim 3, wherein [[a]] said surrounding fluid is ~~composed to perform at least one kind of operation among operable for performing at least one of~~ reaction, extraction [[and]] or absorption with liquid flowing in the liquid channel formed by the magnetic barrier.

5. (Currently amended) A microreactor according to claim 1, wherein [[a]] the liquid discharge zone is expanded in [[the]] a forward direction or branched to more than one zone.

6. (Currently amended) A microreactor according to claim 1, wherein microscopic liquid channels are installed in plural and parallel, ~~and is composed to perform the operation between liquids running in the channels.~~

7. (Currently amended) A microreactor according to claim 1, wherein the microscopic liquid channel is branched ~~and is composed to introduce or to discharge liquid from the branched channel.~~

8. (Currently amended) A ~~manufacturing~~ method of manufacturing a plated object, comprising: which comprises

bringing into contact with a solid, an outside of a liquid channel formed by a magnetic barrier which is generated by a ferromagnetic track arranged on or embedded inside a substrate and by applying magnetic field; and, which contact with a solid, where

plating a pattern along the liquid channel to the solid by a magnetic plating solution introduced from an introduction zone and flowing in the liquid channel.

9. (Currently amended) A ~~manufacturing~~ method of ~~a plated object~~ according to claim 8, wherein said plating includes:

forming an electroless plating layer on ~~is provided to~~ the solid by flowing electroless plating solution in the liquid channel formed by the magnetic barrier; and

~~furthermore~~ electroplating ~~is provided on~~ the electroless plating layer formed by the electroless plating by flowing electroplating solution in the liquid channel.

10. (Currently amended) A ~~manufacturing~~ method of manufacturing a plated object, ~~comprising: according to claim 8, wherein in~~

bringing into contact with a solid, an outside of a liquid channel formed by a magnetic barrier; and

plating a pattern along the liquid channel to the solid by a magnetic plating solution flowing in the liquid channel, said plating including electroless plating and electroplating, said electroless plating and said electroplating includes filling[[,]] the outside of a place flowing plating solution is filled with surrounding liquid.

11. (Currently amended) A ~~manufacturing~~ method of manufacturing an etched object, ~~which comprises comprising:~~

bringing into contact with a solid, an [[a]] outside of a liquid channel formed by a magnetic barrier which is generated by a ferromagnetic track arranged on or embedded inside a substrate and by applying magnetic field; and, which is contacted with a solid, where

etching a pattern along [[a]] the liquid channel to the solid is etched by corrosive reaction or electrolysis of a magnetic liquid introduced from a liquid introduction zone and flowing in the liquid channel.

Docket No. F-8962

Ser. No. 10/565,755

12-13. (Cancelled)